

# इंटरनेट

# मानक

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IS 3807 (2000): ENT Surgery Instruments - Forceps, Dressing, Aural and Nasal [MHD 4: Ear, Nose and Throat Surgery Instruments]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक

ईएनटी शल्यचिकित्सा उपकरण — चिमटी, ड्रेसिंग, कर्णज  
एवं नासीय — विशिष्टि  
( पहला पुनरीक्षण )

*Indian Standard*

ENT SURGERY INSTRUMENTS — FORCEPS,  
DRESSING, AURAL AND NASAL — SPECIFICATION  
( *First Revision* )

ICS 11.040.30

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**BUREAU OF INDIAN STANDARDS**  
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## FOREWORD

This Indian Standard (First Revision) was adopted by Bureau of Indian Standards, after the draft finalized by the Ear, Nose and Throat Surgical Instruments Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This Indian Standard was first published in 1966. With the publication of IS 3642 (Part 1) : 1990 'Surgical instruments — Specification : Part 1 Non-cutting, articulated instruments (*second revision*)' which would serve as a horizontal standard for dressing forceps, need was felt to revise this standard in the form of a vertical standard intended to be used in conjunction with IS 3642 (Part 1).

This standard covers the requirements in respect of shape and dimensions only, as the specification part of these types of instruments is covered in IS 3642 (Part 1). This standard is, therefore, intended to be used only in respect of shape and dimensions which are referred to in 4.1 of IS 3642 (Part 1).

In this standard, a few types of aural and nasal dressing forceps have been covered for the main reason that all these are meant for ENT work, though they differ from one another. As far as Tilley's aural and nasal forceps are concerned, they are similar in shape, but differing slightly in dimensions.

There is no ISO/IEC standard on the subject. This standard has been prepared based on indigenous manufacturers' data/practices prevalent in the field in India.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

## *Indian Standard*

# DRESSING, AURAL AND NASAL — SPECIFICATION ( *First Revision* )

### 1 SCOPE

This standard specifies the requirements for aural and nasal dressing forceps of the following types:

- | <i>Aural</i>     | <i>Nasal</i> |
|------------------|--------------|
| a) Tilley's      | a) Tilley's  |
| b) Hunter Todd's |              |
| c) Wilde's       |              |
| d) Politzer's    |              |
| e) Hartmann's    |              |

### 2 REFERENCE

The Indian Standard IS 3642 (Part 1) : 1990 'Surgical instruments — Specification : Part 1 Non-cutting, articulated instruments (*second revision*)' is a necessary adjunct to this standard.

### 3 SHAPE AND DIMENSIONS

**3.1** The shapes and dimensions of the forceps with serrated jaws shall be in accordance with Fig. 1 to 6.

#### 3.2 Joints

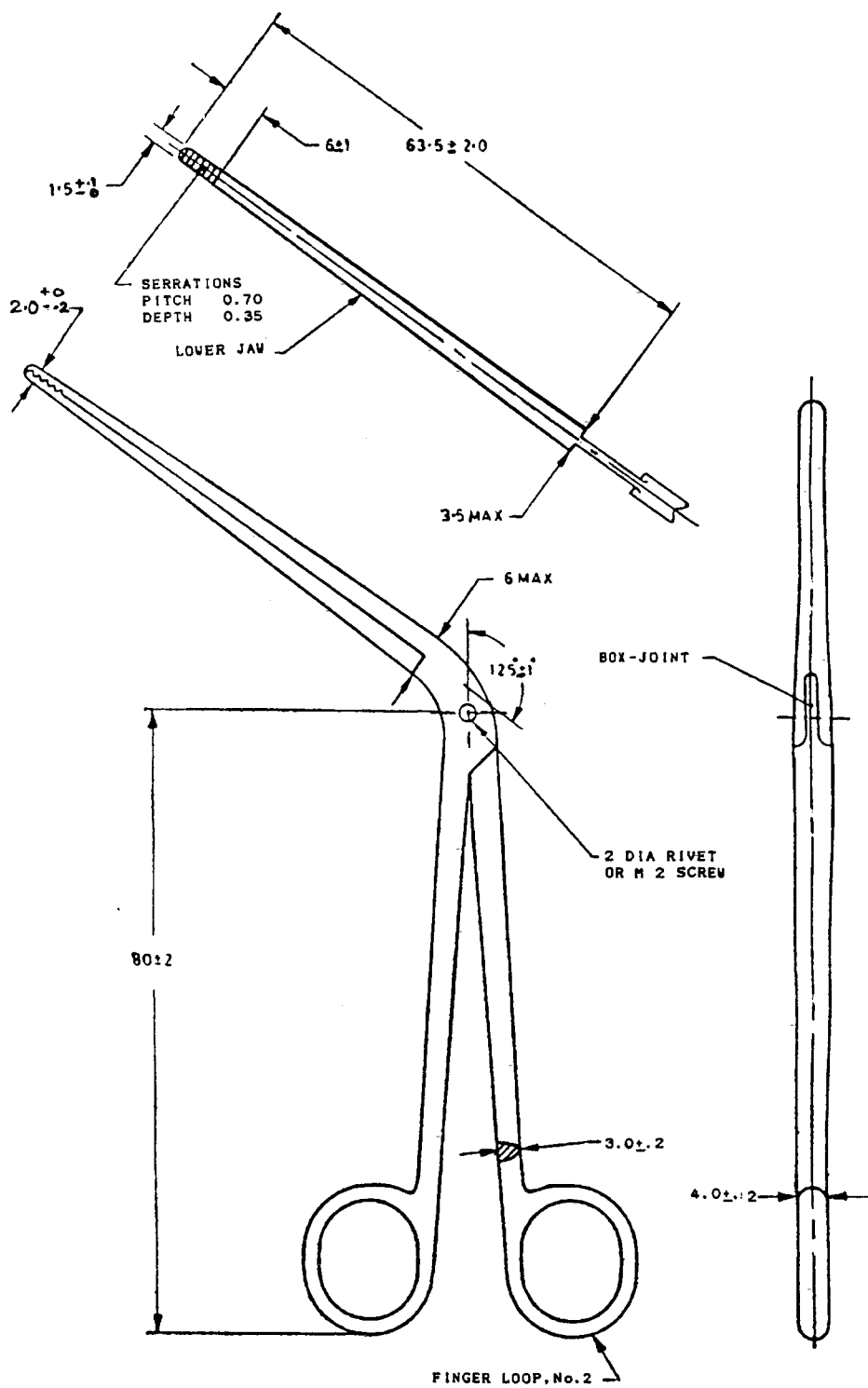
For Tilley's and Hartmann's forceps, **13.2** of Section 3, and for Hunter Todd's, Wilde's and Politzer's patterns, **13.1** of Section 3 of IS 3642 (Part 1) shall apply.

#### 3.3 Serrations

Section 2 of IS 3642 (Part 1) shall apply, subject to the pitch and depth of the serrations being as specified in the figures.

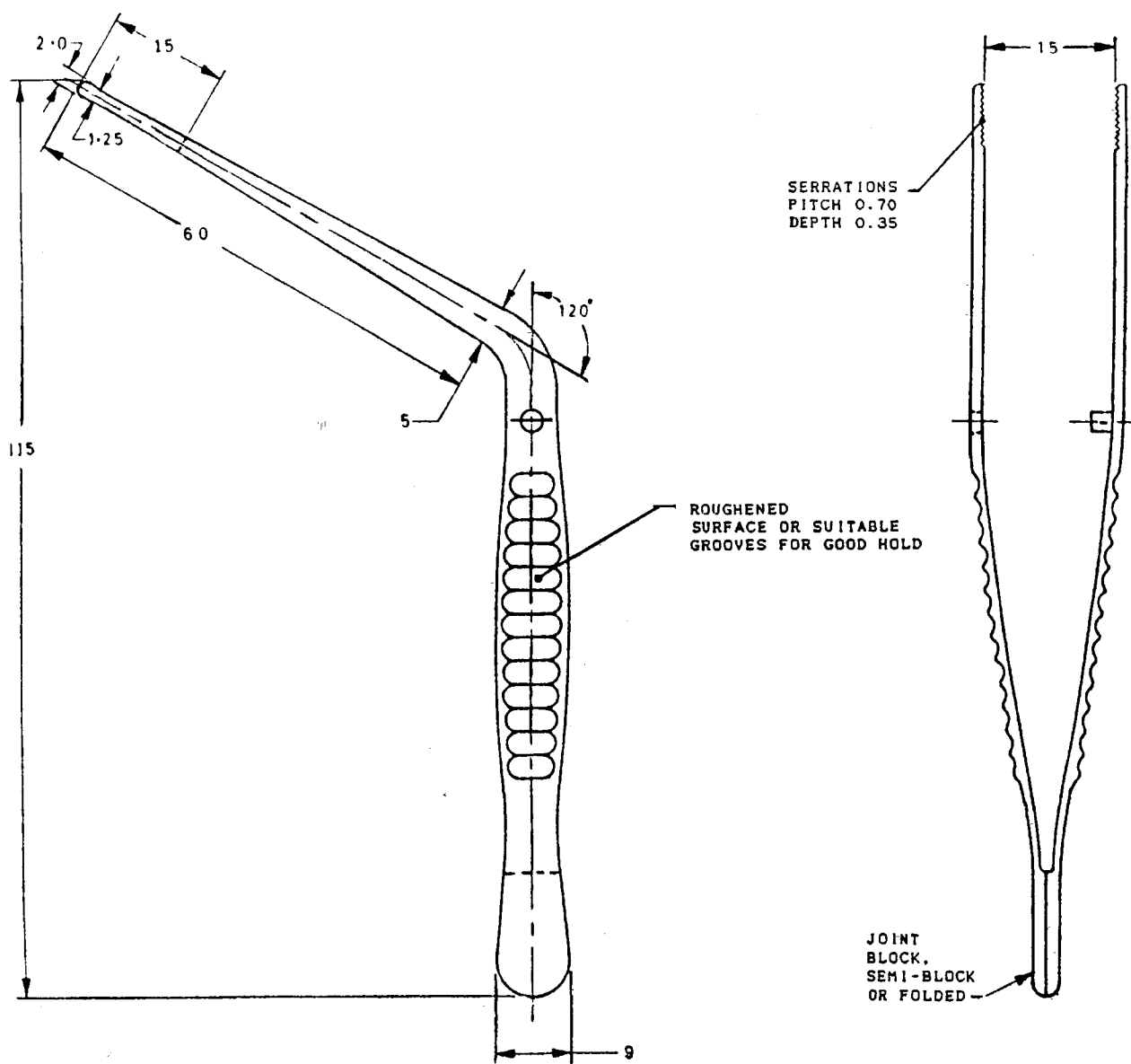
#### 3.4 Finger Loops

Where applicable, Section 6 of IS 3642 (Part 1) shall apply.



All dimensions in millimetres.

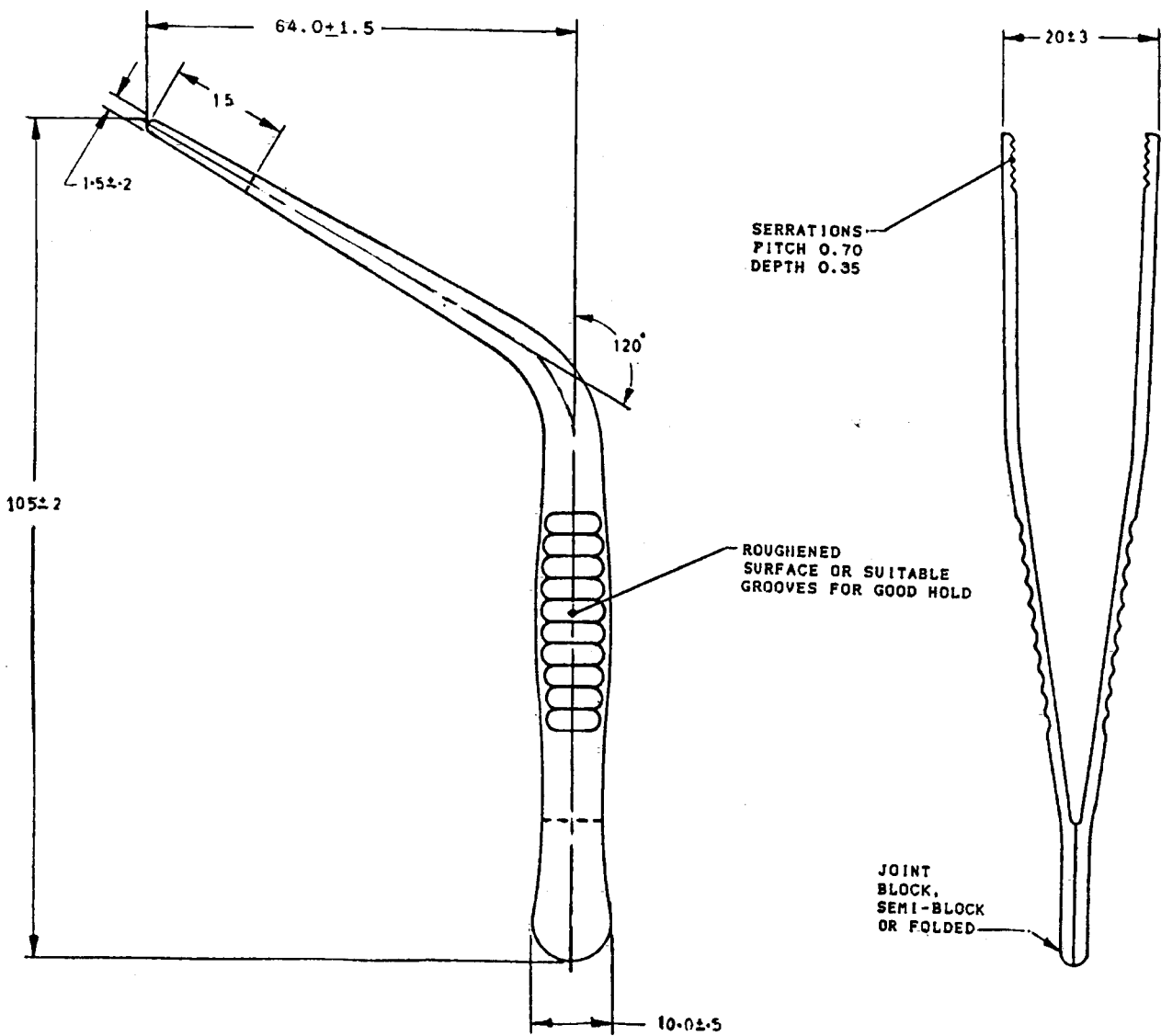
FIG. 1 AURAL FORCEPS, TILLEY'S PATTERN



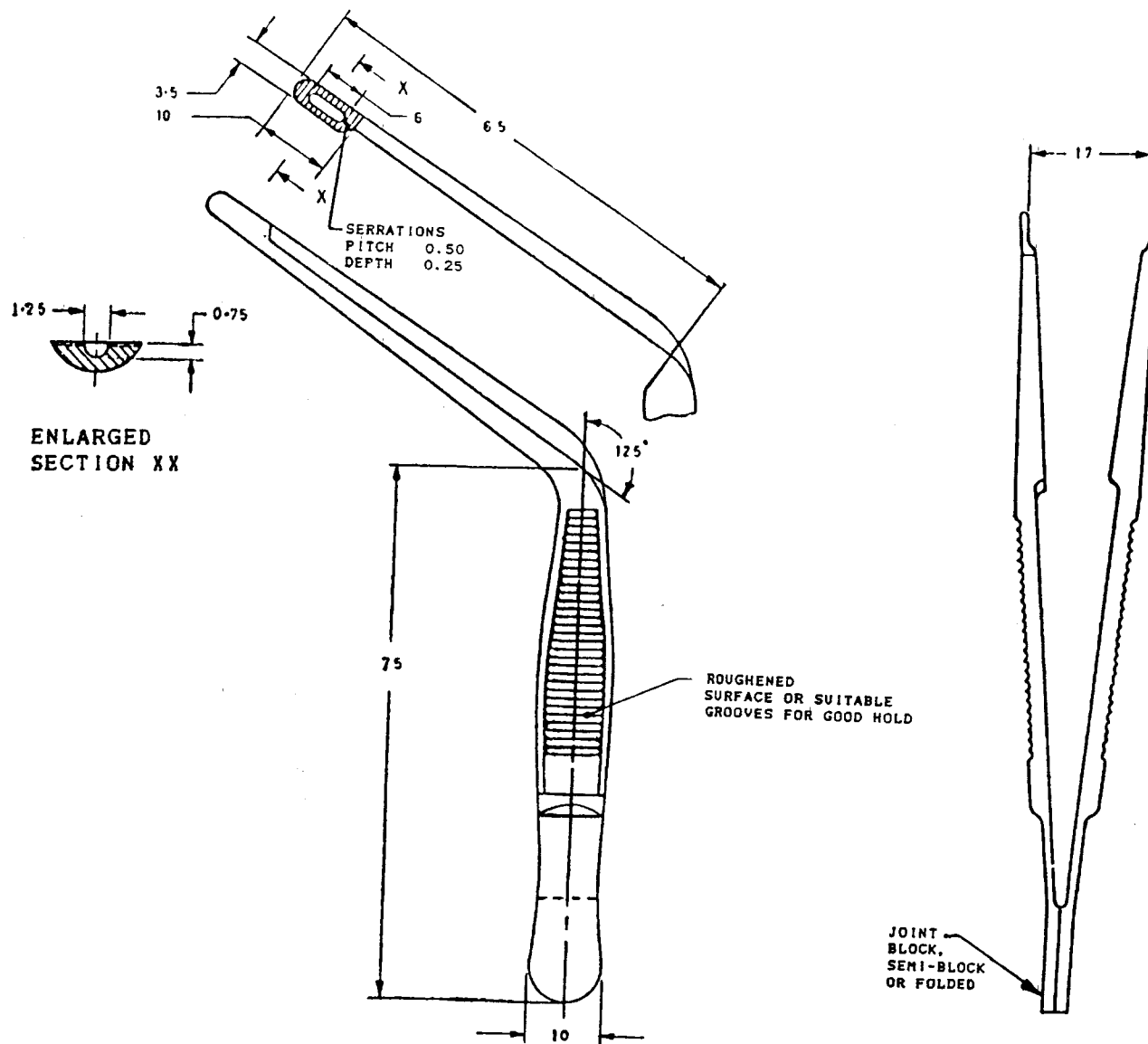
All dimensions in millimetres.

FIG. 2 AURAL FORCEPS, HUNTER TODD'S PATTERN



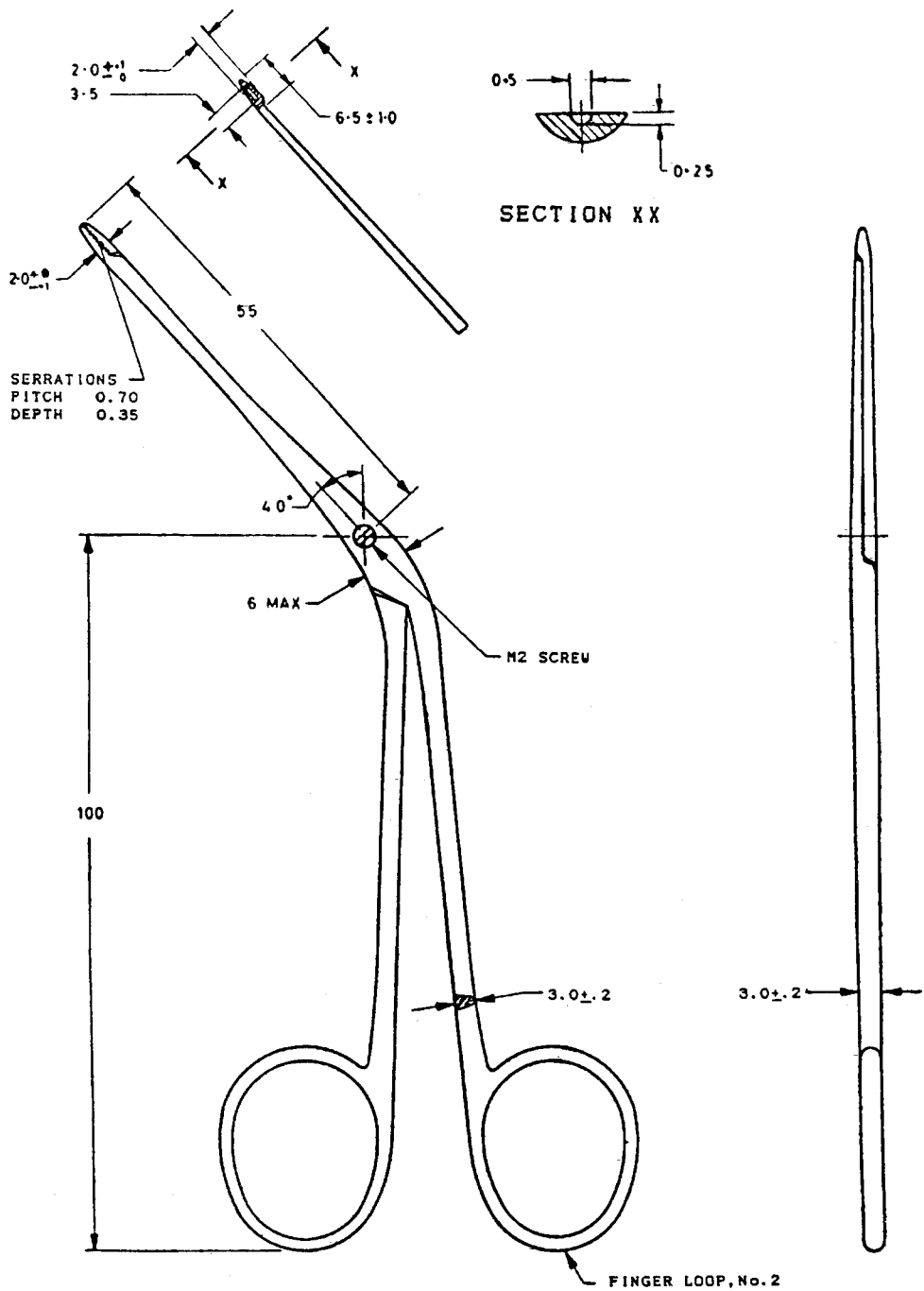


All dimensions in millimetres.  
FIG. 3 AURAL FORCEPS, WILDE'S PATTERN



All dimensions in millimetres.

FIG. 4 AURAL FORCEPS, POLITZER'S PATTERN



All dimensions in millimetres.

FIG. 5 AURAL FORCEPS, HARTMANN'S PATTERN



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This Indian Standard has been developed from Doc: No. MHD 4 (2585).

### Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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